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Publisher: ACM

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January 2008 Queue

Publisher: ACM

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July 2009 Communications of the ACM

Publisher: ACM

Full text available: Digital Edition, Pdf (7.61 MB) Additional Information: full citation

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**4** DISP: Practical, efficient, secure and fault-tolerant distributed data storage

Daniel Ellard, James Meguerian

 February 2005 **Transactions on Storage (TOS)**, Volume 1 Issue 1

Publisher: ACM

Full text available: Pdf (148.11 KB) Additional Information: full citation, abstract, citation

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 87, Citation Count: 1

DISP is a practical client-server protocol for the distributed storage of information. In most other contemporary protocols, DISP permits applications to make efficient use of storage space, computational overhead, and ...

**Keywords:** Distributed data storage

**5** VPFS: building a virtual private file system with a small trusted component

Carsten Weinhold, Hermann Härtig

 April 2008 **Eurosys '08: Proceedings of the 3rd ACM SIGOPS/EuroSys European Conference on Computer Systems**

Publisher: ACM

Full text available: Pdf (386.31 KB) Additional Information: full citation, abstract, citation

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 188, Citation

In this paper we present the lessons we learned when developing VPFS, is based on both a small amount of trusted storage and an untrusted le same machine. VPFS' purpose is to provide ...

**Keywords:** legacy reuse, secure file system, virtualization

Also published in:

April 2008 SIGOPS Operating Systems Review Volume 42 Issue 4

**6 Queue: Volume 7 Issue 1**

 January 2009 Queue

**Publisher:** ACM

Full text available:  Digital Edition ,  Pdf (2.84 MB) Additional Information: [full citation](#)

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**1** Set Manipulation with Boolean Functional Vectors for Symbolic Reach  
 Amit Goel, Randal E. Bryant  
 March 2003 **DATE '03: Proceedings of the conference on Design, Automation and Test in Europe**, Volume 1, Volume 1  
 Publisher: IEEE Computer Society

Full text available: Publisher Site, Pdf (144.26 KB) Additional Information: full citation, references

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 14, Citation C

Symbolic techniques usually use characteristic functions for representing functional vectors provide an alternate set representation which is suitable for symbolic reachability analysis and model ...

**2** Implicit pseudo boolean enumeration algorithms for input vector constraints  
 Kaviraj Chopra, Sarma B. K. Vrudhula

 June 2004 **DAC '04: Proceedings of the 41st annual Design Automation Conference**  
 Publisher: ACM 

Full text available: Pdf (159.13 KB) Additional Information: full citation, abstract, references

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 21, Citation C

In a CMOS combinational logic circuit, the subthreshold leakage current is proportional to the state of the inputs. In this paper we present a new approach to identify a set of input vectors (MLS). Applying a vector in ...

**Keywords:** CMOS, SAT, binary decision diagrams, leakage, power, symbol

**3** Combining speed with alpha-particle induced memory, error tolerance and machine  
 Richard M. King, Robert A. Wagner

 January 1984 **ISCA '84: Proceedings of the 11th annual international symposium on computer architecture**  
 Publisher: ACM

Full text available: Pdf (275.62 KB) Additional Information: full citation, references

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation C

Also published in:

 June 1984 **SIGARCH Computer Architecture News** Volume 12 Issue 3

**4 The Boolean Vector Machine [BVM]**

Robert A. Wagner

June 1983 **ISCA '83: Proceedings of the 10th annual international symposiu**

Publisher: ACM

Full text available: Pdf (806.15 KB)

Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation C

We describe the architecture of a class of machines intended to solve con problems much faster than can today's machines, at no increase in cost. programming of the BVM for several interesting algorithms ...

Also published in:

June 1983 **SIGARCH Computer Architecture News** Volume 11 Issue 3**5 Some uses of truncated Boolean vectors in analysis**

Howard J. Smith, Jr.

May 1990 **APL '90: Conference proceedings on APL 90: for the future.**

Publisher: ACM

Full text available: Pdf (85.28 KB)

Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation C

The truncated first occurrence vector (TFOV) is a data construct which thi variety of application areas. It is based on comparisons of adjacent items criterion. The use of the TFOV and its several ...

Also published in:

May 1990 **SIGAPL APL Quote Quad** Volume 20 Issue 4**6 Integrating Boolean and vector models of information retrieval with pa**

Michel Beigbeder

January 2005 **WISICT '05: Proceedings of the 4th international symposium o**

communication technologies

Publisher: Trinity College Dublin

Full text available: Pdf (838.72 KB)

Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 30, Citation C

In the context of information retrieval, we propose here to merge in a sin the Boolean model, the vector space model, and passage retrieval in a si based on signal theory. In this framework, we define ...

**7 Simplifying Boolean constraint solving for random simulation-vector ge**

Jun Yuan, Ken Albin, Adnan Aziz, Carl Pixley

November 2002 **ICCAD '02: Proceedings of the 2002 IEEE/ACM international**

aided design

Publisher: ACM

Full text available: Pdf (105.92 KB)

Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 19, Citation C

We present an algorithm for simplifying the solution of conjunctive Boolean input variables, in the context of constrained random vector generation u approach is extraction of "hold-constraints" from ...

**8** On  $L \times n$  boolean matrices with all  $L \times k$  submatrices having  $2^k$  distinct row vectors  
 Hongzhong Wu  
 February 1991 **EURO-DAC '91: Proceedings of the conference on European design automation**  
 Publisher: IEEE Computer Society Press  
 Full text available: Pdf (305.39 KB) Additional Information: full citation, abstract, references, cited by  
**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 1, Citation Co

This paper describes a new method to construct an  $L \times n$  boolean matrix ( $k < n$ ), such that every  $L \times k$  submatrix contains  $2^k$  distinct row vectors

**9** On extending the vector space model for Boolean query processing  
 S. K. M. Wong, W. Ziarko, V. V. Raghavan, P. C. N. Wong  
 September 1986 **SIGIR '86: Proceedings of the 9th annual international ACM SIGIR conference on Research and development in information retrieval**  
 Publisher: ACM Request Permissions  
 Full text available: Pdf (1.07 MB) Additional Information: full citation, abstract, references, cited by  
**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation Co

An information retrieval model, named the Generalized Vector Space Model, is proposed to handle situations where queries are specified as (extended) Boolean expressions. This unified model, unlike currently available alternatives, ...

**10** Breadth-first manipulation of SBDD of Boolean functions for vector processing  
 Hiroyuki Ochi, Nagisa Ishiura, Shuzo Yajima  
 June 1991 **DAC '91: Proceedings of the 28th ACM/IEEE Design Automation Conference**  
 Publisher: ACM Request Permissions  
 Full text available: Pdf (495.05 KB) Additional Information: full citation, references, cited by  
**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 3, Citation Co

**11** Hybrid decision diagrams  
 E. M. Clarke, M. Fujita, X. Zhao  
 December 1995 **ICCAD '95: Proceedings of the 1995 IEEE/ACM international conference on computer-aided design**  
 Publisher: IEEE Computer Society  
 Full text available: Publisher Site, Pdf (150.48 KB) Additional Information: full citation, abstract, references, cited by  
**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 12, Citation Co

Abstract: Functions that map boolean vectors into the integers are important for the verification of arithmetic circuits. MTBDDs and BMDs have been proposed as representations for these functions. We discuss the relationship between these ...

**Keywords:** BMDs, MTBDDs, arithmetic circuits verification, binary decision diagrams, circuit analysis, computing, computational complexity, digital arithmetic, fixed-point arithmetic, integers, linear expressions, multi-terminal binary decision diagrams, synthesis algorithms, time complexity

**12** Bit-precise reasoning with affine functions  
 Neil Kettle, Andy King  
 July 2008 **SMT '08/BPR '08: Proceedings of the Joint Workshops of the 6th International Conference on Theory and Applications of Satisfiability Testing (SAT) and the 4th International Conference on Practical Bounded Model Checking (BMC)**

## Satisfiability Modulo Theories and 1st International Workshop on

Publisher: ACM Request Permissions

Full text available: Pdf (234.54 KB) Additional Information: full citation, abstract, ref...

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Co

The class of affine Boolean functions is rich enough to express constant b different bits of different words. For example, the function  $(x_0 \wedge (\neg y_1) \wedge$

**Keywords:** abstract interpretation, model checking, propositional logic

## 13 Local Search for Boolean Relations on the Basis of Unit Propagation

Yakov Novikov

March 2003 **DATE '03: Proceedings of the conference on Design, Auton Volume 1**, Volume 1

Publisher: IEEE Computer Society

Full text available: Publisher Site, Pdf (158.23 KB) Additional Information: full citation, terms

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 11, Citation C

We propose a method for local search of Boolean relations relating variables. The method is to branch on small subsets of the set of CNF variables and to a propagation. By taking into account variable value assignments ...

## 14 PHDD: an efficient graph representation for floating point circuit verification

Yirng-An Chen, Randal E. Bryant

November 1997 **ICCAD '97: Proceedings of the 1997 IEEE/ACM International automated design**

Publisher: IEEE Computer Society

Full text available: Publisher Site, Pdf (124.74 KB) Additional Information: full citation, terms

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation C

Data structures such as \*BMDs, HDDs, and K\*BMDs provide compact representations which map Boolean vectors into integer values, but not floating point values. We introduce a new data structure, called Multiplicative Power Hybrid ...

**Keywords:** BDD, FDD, KFDD, BMD, \*BMD, HDD, K\*BMD, Floating Point, Verifications

## 15 Randomly supported independence and resistance

Per Austrin, Johan Håstad

May 2009 **STOC '09: Proceedings of the 41st annual ACM symposium on Theory of computing**

Publisher: ACM Request Permissions

Full text available: Pdf (499.78 KB) Additional Information: full citation, abstract, ref...

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 23, Citation C

We prove that for any positive integer  $k$ , there is a constant  $c_k$  such that  $n^k \log n$  Boolean vectors with high probability supports a balanced  $k$ -wise

the case ...

**Keywords:** approximation resistance, k-wise independence

**16** Image mining using association rules derived from feature matrix

L. Jaba Sheela, V. Shanthi, D. Jeba Singh  
 January 2009 **ICAC3 '09: Proceedings of the International Conference on Ad-Communication and Control**

Publisher: ACM 

Full text available:  Pdf (347.59 KB) Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 20, Citation C

Association rule mining is a very important research topic in the field of d frequent itemsets is the key process in association rule mining. Traditiona adopt an iterative method to discovery, which ...

**Keywords:** association rule, data mining, feature matrix, frequent items

**17** Representation and manipulation of finite sets

B. L. McAllister  
 June 1980 **SIGAPL APL Quote Quad**, volume 10 Issue 4

Publisher: ACM

Full text available:  Pdf (523.84 KB) Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 1, Citation Co

A set may be represented in APL either through a vector of its elements, representing its characteristic function with respect to a pre-specified uni interpretation of this Boolean vector as the binary ...

**18** On feasible numbers (Preliminary Version)

Janos Simon  
 May 1977 **STOC '77: Proceedings of the ninth annual ACM symposium on Theory of computing**

Publisher: ACM 

Full text available:  Pdf (946.02 KB) Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation Co

We study complexity problems associated with generation and manipulation many such questions may be formulated as problems about random access recent results about RAMs with special instructions sets can ...

**19** Rough sets and information retrieval

P. Das-Gupta  
 May 1988 **SIGIR '88: Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM 

Full text available:  Pdf (1.43 MB) Additional Information: full citation, abstract, ref

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 75, Citation C

The theory of rough sets was introduced [PAWLAK82]. It allows us to classify equivalent members based on their attributes. We may then examine any objects (or even their attributes) using the resultant classification. ...

**20** A transient hypergraph-based model for data access

Carolyn Watters, Michael A. Shepherd

◆ April 1990 **Transactions on Information Systems (TOIS)**, Volume 8 Issue

Publisher: ACM Request Permissions

Full text available: Pdf (1.94 MB)

Additional Information: full citation, abstract, review

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 37, Citation C

Two major methods of accessing data in current database systems are query and more traditional query method returns an answer set that may consist of containing the answer (full text), or items referring to the ...

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1 Précis: from unstructured keywords as queries to structured databases  
 Alkis Simitsis, Georgia Koutrika, Yannis Ioannidis

January 2008 **The VLDB Journal — The International Journal on Very Bases**, Volume 17 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (2.52 MB) Additional Information: full citation, abstract, index

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 92, Citation

Précis queries represent a novel way of accessing data, which combines techniques from the fields of databases and information retrieval. They keyword-based, queries on top of relational databases that generate an relation ...

**Keywords:** Free-from queries, Keyword search, Query processing

2 Distributed query evaluation with performance guarantees

Gao Cong, Wenfei Fan, Anastasios Kementsietsidis

June 2007 **SIGMOD '07: Proceedings of the 2007 ACM SIGMOD International Management of data**

Publisher: ACM

Full text available: Pdf (526.78 KB) Additional Information: full citation, abstract, referer

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 155, Citation

Partial evaluation has recently proven an effective technique for evaluating queries over a fragmented tree that is distributed over a number of sites. It is whether or not the technique is applicable to generic data-selecting ..

**Keywords:** Xpath queries, distributed XML documents, parallel query p

3 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Randi Rost

August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM

Full text available: Pdf (7.39 MB) Additional Information: full citation, abstract, cited b

**Bibliometrics:** Downloads (6 Weeks): 42, Downloads (12 Months): 630, Citations (since publication): 10

Real-time procedural shading was once seen as a distant dream. When this course was offered four years ago, real-time shading was possible, of-a-kind hardware or by combining the effects of tens to hundreds of rendering threads.

**4 Secondary-storage confidence computation for conjunctive queries via decision diagrams**

Dan Olteanu, Jiewen Huang  
June 2009 **SIGMOD '09: Proceedings of the 35th SIGMOD international conference on Management of data**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(565.76 KB\)](#) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 58, Downloads (12 Months): 58, Citations (since publication): 10

This paper investigates the problem of efficiently computing the confidence of tuples in the answers to conjunctive queries with inequalities ( $<$ ) on tuples from probabilistic databases. This problem is fundamental to probabilistic dat

**Keywords:** decision diagrams, probabilistic databases, query processing

**5 Preference Elicitation and Query Learning**

Avrim Blum, Jeffrey Jackson, Tuomas Sandholm, Martin Zinkevich  
December 2004 **The Journal of Machine Learning Research**, Volume 5

**Publisher:** MIT Press

Full text available:  [Pdf \(192.14 KB\)](#) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 34, Citations (since publication): 10

In this paper we explore the relationship between "preference elicitation" problem that arises in combinatorial auctions, and the problem of learning a query language for a database system that is studied in computational learning theory. Preference elicitation is the ...

**6 Application of aboutness to functional benchmarking in information retrieval**

Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng  
October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(291.56 KB\)](#) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citations (since publication): 10

Experimental approaches are widely employed to benchmark the performance of an information retrieval (IR) system. Measurements in terms of recall and precision are commonly computed as performance indicators. Although they are good at assessing the quality of the retrieved documents, they do not provide much information about the quality of the retrieved documents.

**Keywords:** Aboutness, functional benchmarking, inductive evaluation, information retrieval

**7 Modeling and querying moving objects in networks**

Hartmut Güting, Telxeira de Almeida, Zhiming Ding

June 2006 **The VLDB Journal – The International Journal on Very Large Databases**, Volume 15 Issue 2  
**Publisher:** Springer-Verlag New York, Inc.  
Full text available: Pdf (810.40 KB) Additional Information: full citation, abstract, referer  
**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 163, Citations: 1

Moving objects databases have become an important research issue in information systems. In modeling and querying moving objects, there exists a comprehensive framework of abstract data types to describe objects moving freely in the 2D plane, p

**Keywords:** ADT, Data type, Moving object, Network, Spatio-temporal

8 Probabilistic information retrieval approach for ranking of database query results  
 Surajit Chaudhuri, Gautam Das, Vagelis Hristidis, Gerhard Weikum  
September 2006 **Transactions on Database Systems (TODS)**, Volume 31 Issue 3  
**Publisher:** ACM Request Permissions  
Full text available: Pdf (394.04 KB) Additional Information: full citation, abstract, referer  
**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 239, Citations: 1

We investigate the problem of ranking the answers to a database query when multiple tuples are returned. In particular, we present methodologies to tackle the problem of conjunctive and range queries, by adapting and applying principles of probabilistic information retrieval.

**Keywords:** Probabilistic information retrieval, automatic ranking, experimental study, indexing, relational queries, user survey, workload

9 XPath satisfiability in the presence of DTDs  
 Michael Benedikt, Wenfei Fan, Floris Geerts  
May 2008 **Journal of the ACM (JACM)**, Volume 55 Issue 2  
**Publisher:** ACM Request Permissions  
Full text available: Pdf (916.97 KB) Additional Information: full citation, abstract, referer  
**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 255, Citations: 1

We study the satisfiability problem associated with XPath in the presence of DTDs. The problem of determining, given a query  $p$  in an XPath fragment and a DTD, whether or not there exists an XML document  $T$  such that  $T \models p$  ...

**Keywords:** Containment, DTDs, Satisfiability, XML, XPath

10 L-diversity: Privacy beyond k-anonymity  
 Ashwin Machanavajjhala, Daniel Kifer, Johannes Gehrke, Muthuramakrishnan Venkitasubramaniam  
March 2007 **Transactions on Knowledge Discovery from Data (TKDD)**, Volume 1 Issue 1  
**Publisher:** ACM Request Permissions  
Full text available: Pdf (838.00 KB) Additional Information: full citation, abstract, referer  
**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 384, Citations: 1

Publishing data about individuals without revealing sensitive information important problem. In recent years, a new definition of privacy called  $k$ -anonymity gained popularity. In a  $k$ -anonymized dataset, each record ...

**Keywords:** &ell;-diversity,  $k$ -anonymity, Data privacy, privacy-preserving publishing

**11 On-the-fly calculation and verification of consistent steering transaction**

 David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong

November 2001 **Supercomputing '01: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)**

**Publisher:** ACM

Full text available:  Pdf (195.67 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation C

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our syst

**Keywords:** consistent cut, consistent steering, consistent transaction, I program event, program transaction, steering event, steering transaction

**12 Effective and efficient classification on a search-engine model**

 Aris Anagnostopoulos, Andrei Z. Broder, Kunal Punera

November 2006 **CIKM '06: Proceedings of the 15th ACM international conference on Information and knowledge management**

**Publisher:** ACM 

Full text available:  Pdf (345.36 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 114, Citation C

Traditional document classification frameworks, which apply the learned document in a corpus one by one, are infeasible for extremely large documents like the Web or large corporate intranets. We consider the classification

**Keywords:** WAND, feature selection, query efficiency, search engine, t

**13 On the memory requirements of XPath evaluation over XML streams**

 Ziv Bar-Yossef, Marcus Fontoura, Vanja Josifovski

June 2004 **PODS '04: Proceedings of the twenty-third ACM SIGMOD-SIGART symposium on Principles of database systems**

**Publisher:** ACM 

Full text available:  Pdf (272.43 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 32, Citation C

The important challenge of evaluating XPath queries over XML streams is interest in the past two years. A number of algorithms have been proposed to handle fragments of the query language, and exhibiting better performance memory ...

**14 Privacy via pseudorandom sketches**

Nina Mishra, Mark Sandler

June 2006 **PODS '06:** Proceedings of the twenty-fifth ACM SIGMOD-SIGAC symposium on Principles of database systems

Publisher: ACM Request Permissions

Full text available: Pdf (274.14 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 51, Citation

Imagine a collection of individuals who each possess private data that they share with a third party. This paper considers how individuals may represent their own data so as to simultaneously preserve their privacy and to enable

**Keywords:** data reconstruction, input perturbation schemes, privacy**15 Efficient skyline computation over low-cardinality domains**

Michael Morse, Jignesh M. Patel, H. V. Jagadish

September 2007 **VLDB '07:** Proceedings of the 33rd international conference on data bases

Publisher: VLDB Endowment

Full text available: Pdf (239.65 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation

Current skyline evaluation techniques follow a common paradigm that eliminates elements from skyline consideration by finding other elements in the database that dominate them. The performance of such techniques is heavily influenced by underlying ...

**16 Context modeling and discovery using vector space bases**

Massimo Melucci

October 2005 **CIKM '05:** Proceedings of the 14th ACM international conference on Information and knowledge management

Publisher: ACM Request Permissions

Full text available: Pdf (193.60 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 73, Citation

In this paper, context is modeled by vector space bases and its evolution through linear transformations from one base to another. Each document or query is associated to a distinct base, which corresponds to one context. Also, al

**Keywords:** information retrieval in context, vector-space model**17 Applying learning algorithms to preference elicitation**

Sebastien M. Laharie, David C. Parkes

May 2004 **EC '04:** Proceedings of the 5th ACM conference on Electronic commerce

Publisher: ACM Request Permissions

Full text available: Pdf (190.42 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 62, Citation

We consider the parallels between the preference elicitation problem in auctions and the problem of learning an unknown function from learning that learning algorithms can be used as a basis for preference elicitation

**Keywords:** combinatorial auctions, learning, preference elicitation

18 **Composite model-checking: verification with type-specific symbolic reasoning**  
 Tevfik Bultan, Richard Gerber, Christopher League  
 January 2000 **Transactions on Software Engineering and Methodology**

Volume 9 Issue 1

Publisher: ACM 

Full text available:  Pdf (400.17 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods t exploration. In areas like hardware design, these technologies are rapid phases of testing and validation. To date, one of the most successful of

**Keywords:** Presburger arithmetic, binary decision diagrams, symbolic i

19 **Join-distinct aggregate estimation over update streams**  
 Sumit Ganguly, Minos Garofalakis, Amit Kumar, Rajeev Rastogi  
 June 2005 **PODS '05: Proceedings of the twenty-fourth ACM SIGMOD-SIGART symposium on Principles of database systems**

Publisher: ACM 

Full text available:  Pdf (324.67 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 39, Citation

There is growing interest in algorithms for processing and querying *cont streams* (i.e., data that is seen only once in a fixed order) with limited r Providing (perhaps approximate) answers to queries over such streams

20 **Timeliness-based wait-freedom: a gracefully degrading progress condition**  
 Marcos K. Aguilera, Sam Toueg  
 August 2008 **PODC '08: Proceedings of the twenty-seventh ACM symposium on distributed computing**

Publisher: ACM 

Full text available:  Pdf (382.75 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 80, Citation

We introduce a simple progress condition for shared object implementation gracefully degrading depending on the degree of synchrony in each run. property, called timeliness-based wait-freedom, provides a gradual brid

**Keywords:** abortable registers, dynamic leader election, graceful degradation, contention, obstruction-freedom, shared memory, universal construction

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1 Application of aboutness to functional benchmarking in information retrieval

Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng

October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (291.56 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citation C

Experimental approaches are widely employed to benchmark the performance of information retrieval (IR) system. Measurements in terms of recall and precision are computed as performance indicators. Although they are good at assessing

**Keywords:** Aboutness, functional benchmarking, inductive evaluation, information retrieval

2 On-the-fly calculation and verification of consistent steering transactions

David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong

November 2001 **Supercomputing '01: Proceedings of the 2001 ACM/IEEE International Conference on Supercomputing (CDROM)**

Publisher: ACM

Full text available: [PDF](#) (195.67 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation C

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our system

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**Keywords:** consistent cut, consistent steering, consistent transaction, logical program event, program transaction, steering event, steering transaction

3 Composite model-checking: verification with type-specific symbolic reasoning

Tevfik Bultan, Richard Gerber, Christopher League

January 2000 **Transactions on Software Engineering and Methodology**, Volume 9 Issue 1

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (400.17 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods t exploration. In areas like hardware design, these technologies are rapid phases of testing and validation. To date, one of the most successful of

**Keywords:** Presburger arithmetic, binary decision diagrams, symbolic i

4 A system for automatic personalized tracking of scientific literature\_o

Kurt D. Bollacker, Steve Lawrence, C. Lee Giles  
August 1999 **DL '99: Proceedings of the fourth ACM conference on Digital li**  
**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (123.52 KB) Additional Information: full citation, references, cite

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 51, Citation

**Keywords:** citation index, information filtering, knowledge representati

5 Access control for large collections

H. M. Gladney  
April 1997 **Transactions on Information Systems (TOIS)**, Volume 15 Issu  
**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (482.88 KB) Additional Information: full citation, abstract, referer terms, review

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 160, Citatio

Efforts to place vast information resources at the fingertips of each individual populations must be balanced by commensurate attention to information distributed systems with less-structured tasks, more-diversified Informa

**Keywords:** access control, digital library, document, electronic library, security

6 New results on monotone dualization and generating hypergraph tra

Thomas Eiter, Georg Gottlob, Kazuhisa Makino  
May 2002 **STOC '02: Proceedings of the thiry-fourth annual ACM symposium on computing**  
**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (204.77 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 35, Citation

This paper considers the problem of dualizing a monotone CNF (equival all minimal transversals of a hypergraph), whose associated decision pr prominent open problem in NP-completeness. We present a number of

**Keywords:** combinatorial enumeration, dualization, hypergraph acyclic nondeterminism, output-polynomial algorithms, transversal computation

**7 Building efficient and effective metasearch engines**

Weiyi Meng, Clement Yu, King-Lup Liu

March 2002 **Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (416.07 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 383, Citation

Frequently a user's information needs are stored in the databases of multiple engines. It is inconvenient and inefficient for an ordinary user to invoke engines and identify useful documents from the returned results. To sur-

**Keywords:** collection fusion, distributed collection, distributed information resource discovery, metasearch

**8 Optimizing object queries using an effective calculus**

Leonidas Faggaras, David Maier

December 2000 **Transactions on Database Systems (TODS)**, Volume 25 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (641.65 KB) Additional Information: full citation, abstract, referer terms, review

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 115, Citation

Object-oriented databases (OODBs) provide powerful data abstractions facilities, but they generally lack a suitable framework for query processing optimization. The development of an effective query optimizer is one of

**Keywords:** nested relations, object-oriented databases, query decorrelation optimization

**9 Predicate rewriting for translating Boolean queries in a heterogeneous system**

Chen-Chuan K. Chang, Héctor García-Molina, Andreas Paepcke

January 1999 **Transactions on Information Systems (TOIS)**, Volume 17 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (350.96 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 33, Citation

Searching over heterogeneous information sources is difficult in part because nonuniform query languages. Our approach is to allow users to compose in one rich front-end language. For each user query and target source, we

**Keywords:** Boolean queries, content-based retrieval, filtering, predicate subsumption, query translation

 **GIOSS: text-source discovery over the Internet**  
 Luis Gravano, Héctor García-Molina, Anthony Tomasic  
 June 1999 **Transactions on Database Systems (TODS)**, Volume 24 Issue 2  
**Publisher:** ACM   
 Full text available:  Pdf (230.37 KB) Additional Information: full citation, abstract, referer terms, review  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 73, Citation

The dramatic growth of the Internet has created a new problem for user relevant sources of documents. This article presents a framework for (a analyzes a solution to) this problem, which we call the text-source ...

**Keywords:** Internet search and retrieval, digital libraries, distributed information retrieval, text databases

**11 Searching in high-dimensional spaces: Index structures for improving performance of multimedia databases**  
 Christian Böhm, Stefan Berchtold, Daniel A. Keim  
 September 2001 **Computing Surveys (CSUR)**, Volume 33 Issue 3  
**Publisher:** ACM   
 Full text available:  Pdf (1.39 MB) Additional Information: full citation, abstract, referer terms  
**Bibliometrics:** Downloads (6 Weeks): 62, Downloads (12 Months): 509, Citation

During the last decade, multimedia databases have become increasingly many application areas such as medicine, CAD, geography, and molecular biology. An important research issue in the field of multimedia databases is the content-based retrieval ...

**Keywords:** Index structures, indexing high-dimensional data, multimedia similarity search

**12 Plan selection based on query clustering**  
 Antara Ghosh, Jignashu Parikh, Vibhuti S. Sengar, Jayant R. Haritsa  
 August 2002 **VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases**  
**Publisher:** VLDB Endowment  
 Full text available:  Pdf (1.81 MB) Additional Information: full citation, abstract, referer terms  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 25, Citation

Query optimization is a computationally intensive process, especially for large databases. We present here a tool, called PLASTIC, that can be used by query optimizers to reduce the optimization cost. Our scheme groups similar queries into clusters ...

**13 Disjunctive datalog**  
 Thomas Eiter, Georg Gottlob, Heikki Mannila  
 September 1997 **Transactions on Database Systems (TODS)**, Volume 22 Issue 3  
**Publisher:** ACM   
 Full text available:  Pdf (646.59 KB) Additional Information: full citation, abstract, referer terms

[terms, review](#)**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation

We consider disjunctive Datalog, a powerful database query language based on disjunctive logic programming. Briefly, disjunctive Datalog is a variant of Datalog where disjunctions may appear in the rule heads; advanced versions also allow

**14 Efficient passage ranking for document databases**

 Marcin Kaszkiel, Justin Zobel, Ron Sacks-Davis

October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (328.98 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 68, Citation

Queries to text collections are resolved by ranking the documents in the collection, returning the highest-scoring documents to the user. An alternative retrieval strategy, called rank passages, that is, short fragments of documents, a strategy that can be used to support efficient passage ranking.

**Keywords:** inverted files, passage retrieval, query evaluation, text data retrieval

**15 On using extended statistical queries to avoid membership queries**

Nader H. Bshouty, Vitaly Feldman

March 2002 **The Journal of Machine Learning Research**, Volume 2

Publisher: MIT Press

Full text available:  Pdf (355.87 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 14, Citation

The Kushilevitz-Mansour (KM) algorithm is an algorithm that finds all the coefficients of a Boolean function. It is the main tool for learning decision expressions in the PAC model with respect to the uniform distribution. .

**16 Self-indexing inverted files for fast text retrieval**

 Alistair Moffat, Justin Zobel

October 1996 **Transactions on Information Systems (TOIS)**, Volume 14 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (484.52 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 247, Citation

Query-processing costs on large text databases are dominated by the need to scan the inverted list of each query term. Retrieval time for inverted lists can be greatly reduced by the use of compression, but this adds to the CPU time required to decompress the lists.

**17 PIC matrices: a computationally tractable class of probabilistic query languages**

 Warren R. Greiff, W. Bruce Croft, Howard Turtle

October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)

Full text available: Pdf (239.43 KB) Additional Information: full citation, abstract, referer terms, review

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 23, Citation

The inference network model of information retrieval allows a probabilis of query operators. In particular, Boolean query operators are convenie link matrices of the Bayesian Network. Prior work has shown, however,

**Keywords:** Bayesian networks, Boolean queries, computational comple networks, link matrices, piecewise linear functions, pnorm, probabilistic retrieval, query operators

#### 18 Query association for effective retrieval

Falk Scholer, Hugh E. Williams

November 2002 **CIKM '02: Proceedings of the eleventh international confer**  
Information and knowledge management

Publisher: ACM

Full text available: Pdf (151.13 KB) Additional Information: full citation, abstract, referer terms

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

We introduce a novel technique for document summarisation which we association. Query association is based on the notion that a query that i a document is a good descriptor of that document. For example, the us "richmond ...

**Keywords:** past queries, query association, relevance assessment, sun search

#### 19 An information-theoretic approach to automatic query expansion

Claudio Carpineto, Renato de Mori, Giovanni Romano, Brigitte Bigl

January 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

Publisher: ACM

Full text available: Pdf (414.88 KB) Additional Information: full citation, abstract, referer terms, review

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 215, Citation

Techniques for automatic query expansion from top retrieved document promise for improving retrieval effectiveness on large collections; howe rely on an empirical ground, and there is a shortage of cross-system co

**Keywords:** automatic query expansion, information retrieval, informati pseudorelevance feedback

#### 20 Tail recursion elimination in deductive databases

Kenneth A. Ross

June 1996 **Transactions on Database Systems (TODS)**, Volume 21 Issue 2

Publisher: ACM

Full text available: Additional Information: full citation, abstract, referer

 Pdf (346.78 KB)

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**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 26, Citation

We consider an optimization technique for deductive and relational data optimization technique is an extension of the magic templates rewriting improve the performance of query evaluation by not materializing the e intermediate ...

**Keywords:** deductive databases, magic sets, query optimization, tail re

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**1 Optimizing object queries using an effective calculus**

Leonidas Fegaras, David Maier

December 2000 **Transactions on Database Systems (TODS)**, Volume 25 Issue 4

Publisher: ACM

Full text available: Pdf (641.65 KB) Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 115, Citation

Object-oriented databases (OODBs) provide powerful data abstractions generally lack a suitable framework for query processing and optimization. An effective query optimizer is one of the key factors ...

**Keywords:** nested relations, object-oriented databases, query decorrel

**2 Computing curricula 2001**
 CORPORATE The Joint Task Force on Computing Curricula
September 2001 **Journal on Educational Resources in Computing (JER)**

Publisher: ACM

Full text available: Html (2.78 KB), Pdf (613.63 KB) Additional Information: full citation,

**Bibliometrics:** Downloads (6 Weeks): 86, Downloads (12 Months): 1213, Citation**3 C and lcc: a language and compiler for dynamic code generation**
 Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoek
March 1999 **Transactions on Programming Languages and Systems (TOPLAS)**

Publisher: ACM

Full text available: Pdf (471.68 KB) Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 110, Citation

Dynamic code generation allows programmers to use run-time information to generate code that matches performance and expressiveness superior to those of static code. The 'C' language is a superset of ANSI C that supports efficient and high-level ...

**Keywords:** ANSI C, compilers, dynamic code generation, dynamic code

4

Impact transformation: effective and efficient web retrieval

 Vo Ngoc Anh, Alistair Moffat  
**August 2002 SIGIR '02: Proceedings of the 25th annual international ACM conference on Research and development in information retrieval**

**Publisher:** ACM   
**Full text available:**  Pdf (135.25 KB) **Additional Information:** full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 76, Citation

We extend the applicability of impact transformation, which is a technique assigned to documents so as to boost the effectiveness of retrieval when dealing with large document collections. In conjunction ...

**Keywords:** dynamic pruning, index compression, web searching

**5 Graph rewrite systems for program optimization**

 Uwe Assmann  
**July 2000 Transactions on Programming Languages and Systems (TOPLAS)**

**Publisher:** ACM   
**Full text available:**  Pdf (571.22 KB) **Additional Information:** full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation

Graph rewrite systems can be used to specify and generate program operations. In this paper we propose several rule-based criteria are developed, defining exhaustive and terminating rewriting systems. We apply these criteria to nondeterministic systems stratification ...

**Keywords:** compiler generators, graph rewrite systems, program analysis, program transformation, specification, stratification, very high-level languages

**6 Relational queries over interpreted structures**

 Michael Benedikt, Leonid Libkin  
**July 2000 Journal of the ACM (JACM)**, Volume 47 Issue 4

**Publisher:** ACM   
**Full text available:**  Pdf (455.92 KB) **Additional Information:** full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

We rework parts of the classical relational theory when the underlying data is interpreted operations that can be used in queries. We identify parts of the theory that are robust through 'as before' when interpreted structure ...

**Keywords:** 0-minimality, collapse results, constraints, quantifier elimination

**7 Practical byzantine fault tolerance and proactive recovery**

 Miguel Castro, Barbara Liskov  
**November 2002 Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4

**Publisher:** ACM   
**Full text available:**  Pdf (1.63 MB) **Additional Information:** full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 380, Citation

Our growing reliance on online services accessible on the Internet demands provide correct service without interruptions. Software bugs, operator errors or a major cause of service interruptions ...

**Keywords:** Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

**8 Commutativity analysis: a new analysis technique for parallelizing computations**

Pedro C. Diniz / Martin C. Rinard

November 1997 **Transactions on Programming Languages and Systems**

Publisher: ACM Request Permissions

Full text available: Pdf (472.62 KB)

Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 59, Citation

This article presents a new analysis technique, commutativity analysis, for parallelizing computations that manipulate dynamic, pointer-based data structures. The computation as composed of operations on objects. ...

**Keywords:** parallel computing

**9 Hierarchical indexing and document matching in BoW**

Maayan Geftt, Dror G. Feitelson

January 2001 **JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference**

Publisher: ACM Request Permissions

Full text available: Pdf (434.24 KB)

Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation

BoW is an on-line bibliographical repository based on a hierarchical classification linked. Searching in the repository should therefore return matching top level terms than just a list of entries. Likewise, when ...

**10 Property-Specific Testbench Generation for Guided Simulation**

Aarti Gupta, Albert E. Casavant, Pranay Ashar, Akira Mukaiyama, Kazutosh Yamashita

January 2002 **ASP-DAC '02: Proceedings of the 2002 Asia and South Pacific Design Automation Conference**

Publisher: IEEE Computer Society

Full text available: Publisher Site, Pdf (208.21 KB)

Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citation

Simulation continues to be the primary technique for functional validation. Using simulation vectors be effective in targeting the types of bugs designers can generic coverage metrics. The overall ...

**Keywords:** guided simulation, intelligent testbench generation, witness, testbench, symbolic model checking, approximate model checking, iterative

**11 A code-motion pruning technique for global scheduling**

Luiz C. V. Dos Santos, M. J. M. Heijligers, C. A. J. Van Eijk, J. Van Eijnhoven

January 2000 **Transactions on Design Automation of Electronic Systems**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (293.27 KB)

Additional Information: [full citation](#), abstract,

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 24, Citation

In the high-level synthesis of ASICs or in the code generation for ASIPs the behavioral description represents an obstacle to exploit parallelism. choices in such a way that the search ...

**Keywords:** code generation, code motion, global scheduling, high-leve

#### 12 Using shape analysis to reduce finite-state models of concurrent Jay

 James C. Corbett

 January 2000 **Transactions on Software Engineering and Methodology**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (284.92 KB)

Additional Information: [full citation](#), abstract,

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 68, Citation

Finite-state verification (e.g., model checking) provides a powerful mea which are often subtle and difficult to reproduce. Nevertheless, widespread developers is unlikely until tools provide ...

**Keywords:** Java, concurrent systems, finite-state verification, model e: analysis, state-space reductions

#### 13 Existential second-order logic over strings

 Thomas Eiter, Georg Gottlob, Yuri Gurevich

 January 2000 **Journal of the ACM (JACM)**, Volume 47 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (2.14 MB)

Additional Information: [full citation](#), abstract,

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 80, Citation

Existential second-order logic (ESO) and monadic second-order logic(MS in logic and computer science. ESO is a much expressive logic over succ However, little was known about the relationship between ...

**Keywords:** NP, S1S, decision problem, descriptive complexity, existent finite satisfiability, finite words, model checking, prefix classes, regular strings

#### 14 Effort profiles in multi-agent resource allocation

 H..Van Dyke Parunak, Sven Brueckner, John Sauter, Robert Savit

 July 2002 **AAMAS '02: Proceedings of the first international joint conference on multiagent systems: part 1**

**Publisher:** ACM

Full text available:  Pdf (336.15 KB)

Additional Information: [full citation](#), abstract,

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation

Multi-agent systems are particularly appropriate for resource allocation, operation requires understanding their dynamics. Concepts from statistical transitions, can help. In decision problems ...

**Keywords:** complexity, effort profile, negotiation, phase change, phase

15 DPF: fast, flexible message demultiplexing using dynamic code gene

Dawson R. Engler, M. Frans Kaashoek

◆ August 1996 **SIGCOMM '96:** Conference proceedings on Applications, techniques and protocols for computer communications

Publisher: ACM  Request Permissions

Full text available:  Pdf (97.17 KB)

Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 36, Citation

Fast and flexible message demultiplexing are well-established goals in t  
22]. Currently, however, network architects have had to sacrifice one fo  
packet-filter system, DPF (Dynamic Packet Filters), ...

Also published in:

October 1996 **SIGCOMM Computer Communication Review** Volume 26 Issue

16 Filling and slotting: analysis and algorithms

◆ Andrew B. Kahng, Gabriel Robins, Anish Singh, Huijuan Wang, Alexander Z

April 1998 **ISPD '98:** Proceedings of the 1998 international symposium o

Publisher: ACM

Full text available:  Pdf (1.19 MB)

Additional Information: full citation, abstract,

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In very deep-submicron VLSI, certain manufacturing steps &mdash notably development and etch, chemical vapor deposition and chemical-mechanical varying effects on device and interconnect features depending ...

17 Eraser: a dynamic data race detector for multithreaded programs

◆ Stefan Savage, Michael Burrows, Greg Nelson, Patrick Sobalvarro, Thomas

November 1997 **Transactions on Computer Systems (TOCS)**, Volume 15 Issue

Publisher: ACM  Request Permissions

Full text available:  Pdf (136.04 KB)

Additional Information: full citation, abstract,

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 279, Citation

Multithreaded programming is difficult and error prone. It is easy to make mistakes that produces a data race, yet it can be extremely hard to locate this mistake. This article describes a new tool, called Eraser, ...

**Keywords:** binary code modification, multithreaded programming, race

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  **1. Vector Boolean Algebra and Calculus**

Lee, S.C.;  
 Computers, IEEE Transactions on  
 Volume C-25, Issue 9, Sept. 1976 Page(s):865 - 874  
 Digital Object Identifier 10.1109/TC.1976.1674711  
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(Extended Abstract) Peter A. Bloniarz, Harry B. Hunt, 111, and Daniel J. Rosenkrantz Science Department State University of New York at Albany Albany, New York This n National Science ...

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COURANT INSTITUTE OF MATHEMATICAL SCIENCES Computer Science NSO-15  
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College, 1985 THESIS Submitted in partial fulfillment of the requirements for the de-  
Science in the Graduate College of ...

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A Database System based on the Universal Relation Assumption HENRY F. KORTH I  
N.Y. GABRIEL M. KUPER Stanford University Stanford, California. JEFFREY D. ULIMAN  
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